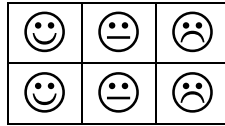


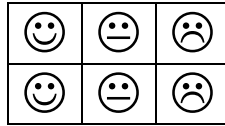
STATISTICS																														
<b>A:</b> I can find a five-figure summary	<div><div>😊😊😊</div><div>😊😊😊</div></div>	<p>The number of goals scored by 12 football teams in the school league are as follows:- 12, 30, 2, 5, 21, 21, 17, 25, 9, 18, 14, 20</p> <p>Create a five-figure summary for the data.</p> <p>Find the semi-quartile range.</p> <p>Draw a boxplot</p> <p>The maximum temperature (in °C) was recorded in Perth on 7 consecutive days in March:- 3, 7, 4, 7, 11, 6, 5</p> <p>Calculate the mean and standard deviation of these temperatures, correct to 2 decimal places.</p> <p>The mean maximum temperature in Oslo was 4°C and the standard deviation was 3.45.</p> <p>Based on this information compare the maximum temperatures in the two cities.</p> <p>An ice cream shop records how much ice cream they sell versus the temperature on that day. Here are their figures for the last 12 days:</p> <table><tr><td>Temp (°C)</td><td>14</td><td>16</td><td>12</td><td>15</td><td>19</td><td>22</td></tr><tr><td>Sales (£)</td><td>215</td><td>325</td><td>185</td><td>332</td><td>406</td><td>522</td></tr><tr><td>Temp (°C)</td><td>19</td><td>25</td><td>23</td><td>18</td><td>23</td><td>17</td></tr><tr><td>Sales (£)</td><td>412</td><td>614</td><td>544</td><td>421</td><td>445</td><td>408</td></tr></table> <p>Plot the data on a scattergraph.</p> <p>Describe the relationship between the two sets of data.</p>	Temp (°C)	14	16	12	15	19	22	Sales (£)	215	325	185	332	406	522	Temp (°C)	19	25	23	18	23	17	Sales (£)	412	614	544	421	445	408
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<b>B:</b> I can compare data sets using the interquartile range or semi-interquartile range	<div><div>😊😊😊</div><div>😊😊😊</div></div>																													
<b>C:</b> I can construct a boxplot	<div><div>😊😊😊</div><div>😊😊😊</div></div>																													
<b>D:</b> I can compare data sets using standard deviation	<div><div>😊😊😊</div><div>😊😊😊</div></div>																													
<b>E:</b> I can construct a scattergraph	<div><div>😊😊😊</div><div>😊😊😊</div></div>																													
<b>F:</b> I can recognise and describe the relationship between two sets of data	<div><div>😊😊😊</div><div>😊😊😊</div></div>																													

**G:** I can determine the best fitting straight line on a scattergraph



Draw the best fitting line on the graph and find the equation of the best fitting line.

**H:** I can use the line of best fit to estimate a value from one data set given when the corresponding value of the other set is known



Estimate the sales on a day when the temperature is 21°C